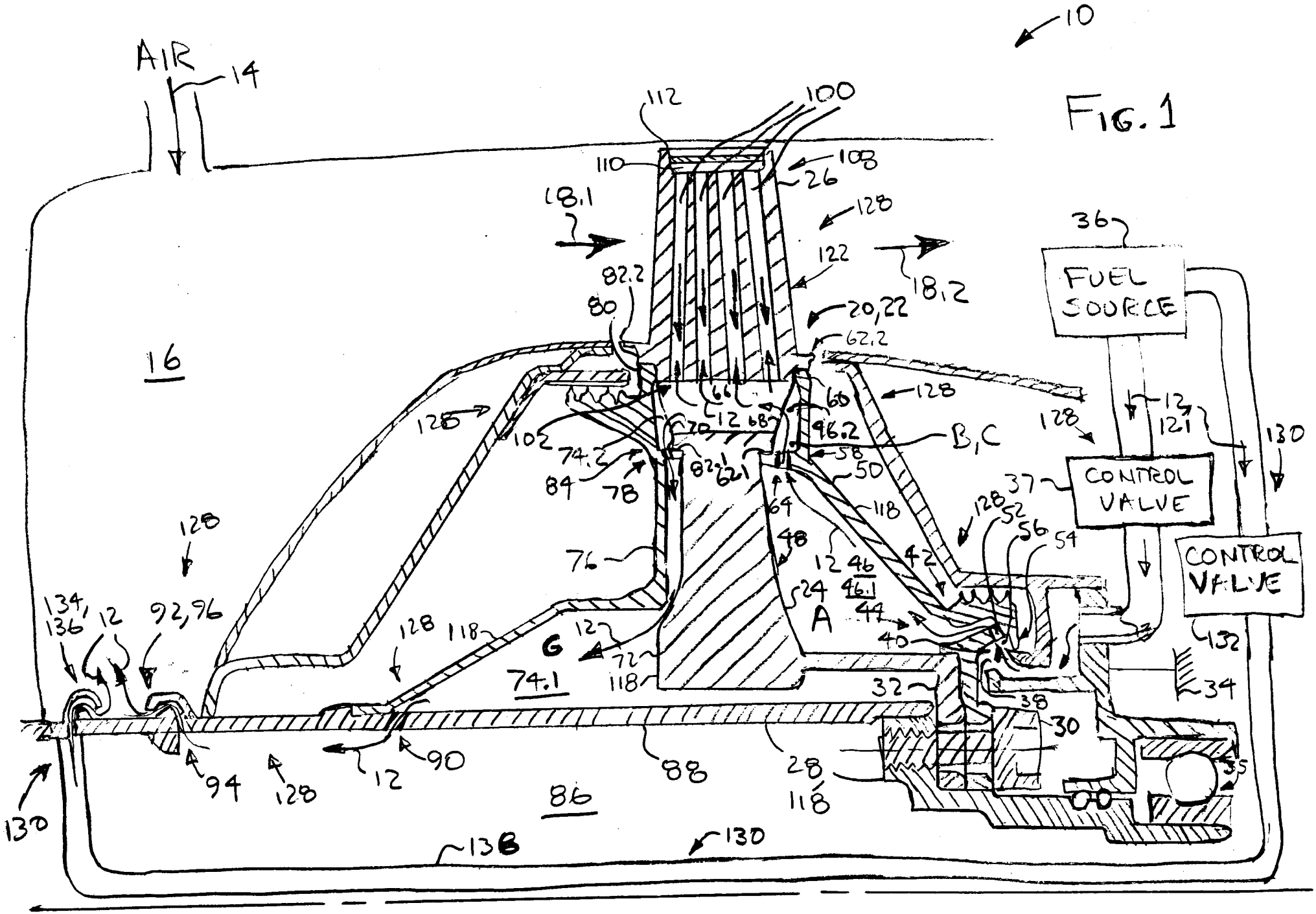

10
AIR
14
112
100
110
108
26
18,1
128
122
18,2
36
FUEL SOURCE
82,2
80
20,22
62,2
16
66
60
128
125
12
68
96,2
B,C
128
12
121
130
102
74,2
84
78
82,1
62,1
58
50
37
CONTROL VALVE
64
118
128
52
56
54
48
42
CONTROL VALVE
76
12
46
46,1
24
A
44
40
134,
136
12
92,96
128
118
G
12
72
74,1
118
32
38
30
34
132
128
94
128
12
90
88
28
118
35
130
86
130
138
130

FIG. 1

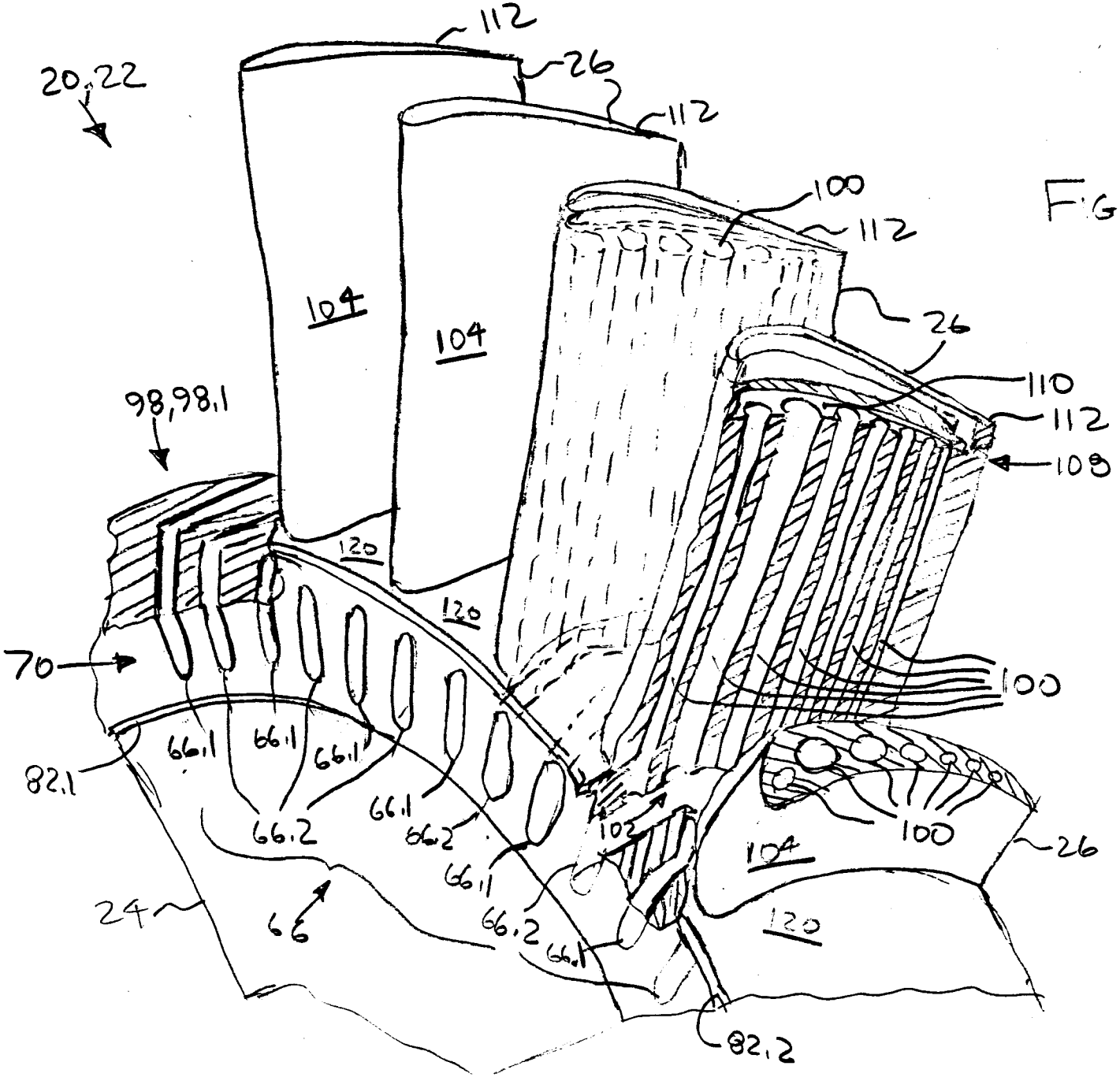

20,22
112
26
112
100
112
104
104
26
110
112
98,98.1
108
120
120
70
100
66.1
66.1
66.1
82.1
66.1
66.2
66.2
102
100
26
104
66.1
66.2
24
66
120
66.1
82.2

FIG. 2

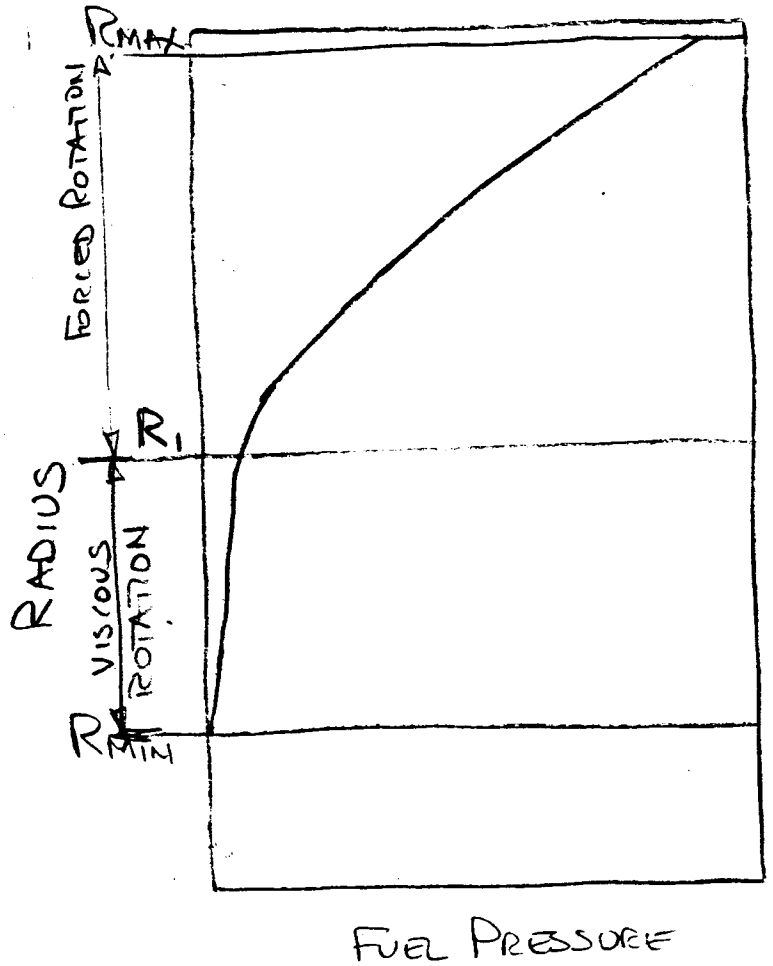
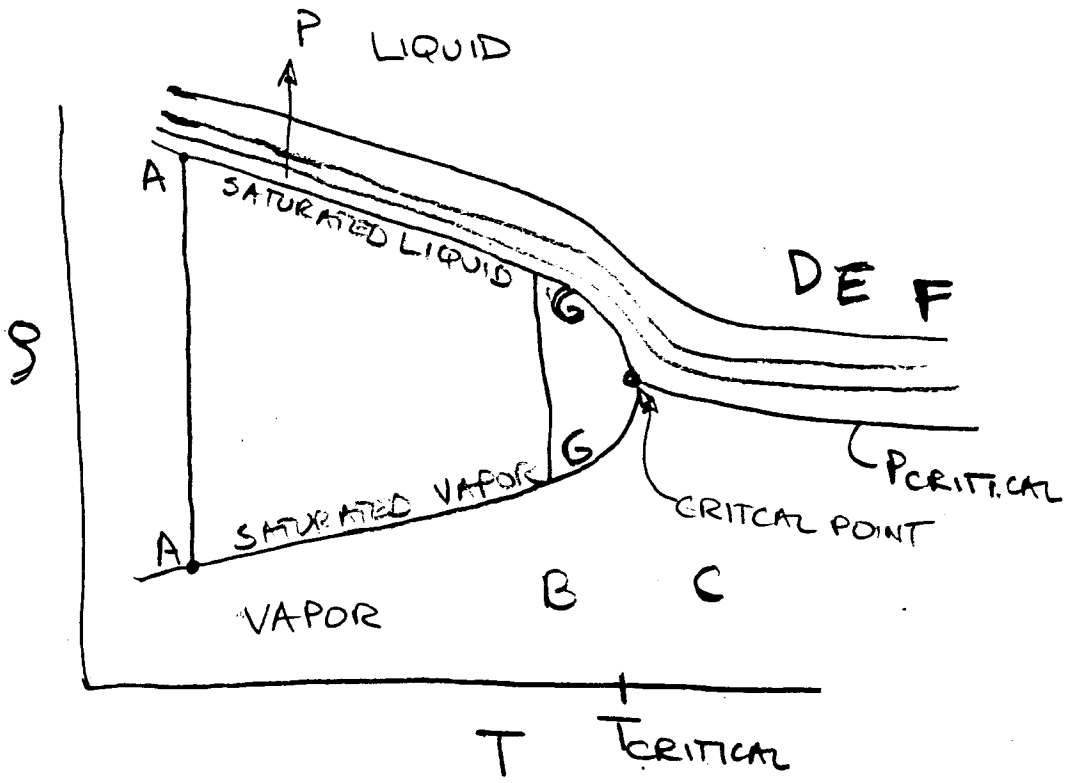

RADIUS
FORCED ROTATION
VISCOUS ROTATION
$R_{MAX}$
$R_1$
$R_{MIN}$
A
FUEL PRESSURE

FIG. 3

FIG. 4


P
LIQUID
A
SATURATED LIQUID
G
DEF
G
SATURATED VAPOR
A
VAPOR
B
C
CRITCAL POINT
$P_{CRITICAL}$
g
T
$T_{CRITICAL}$

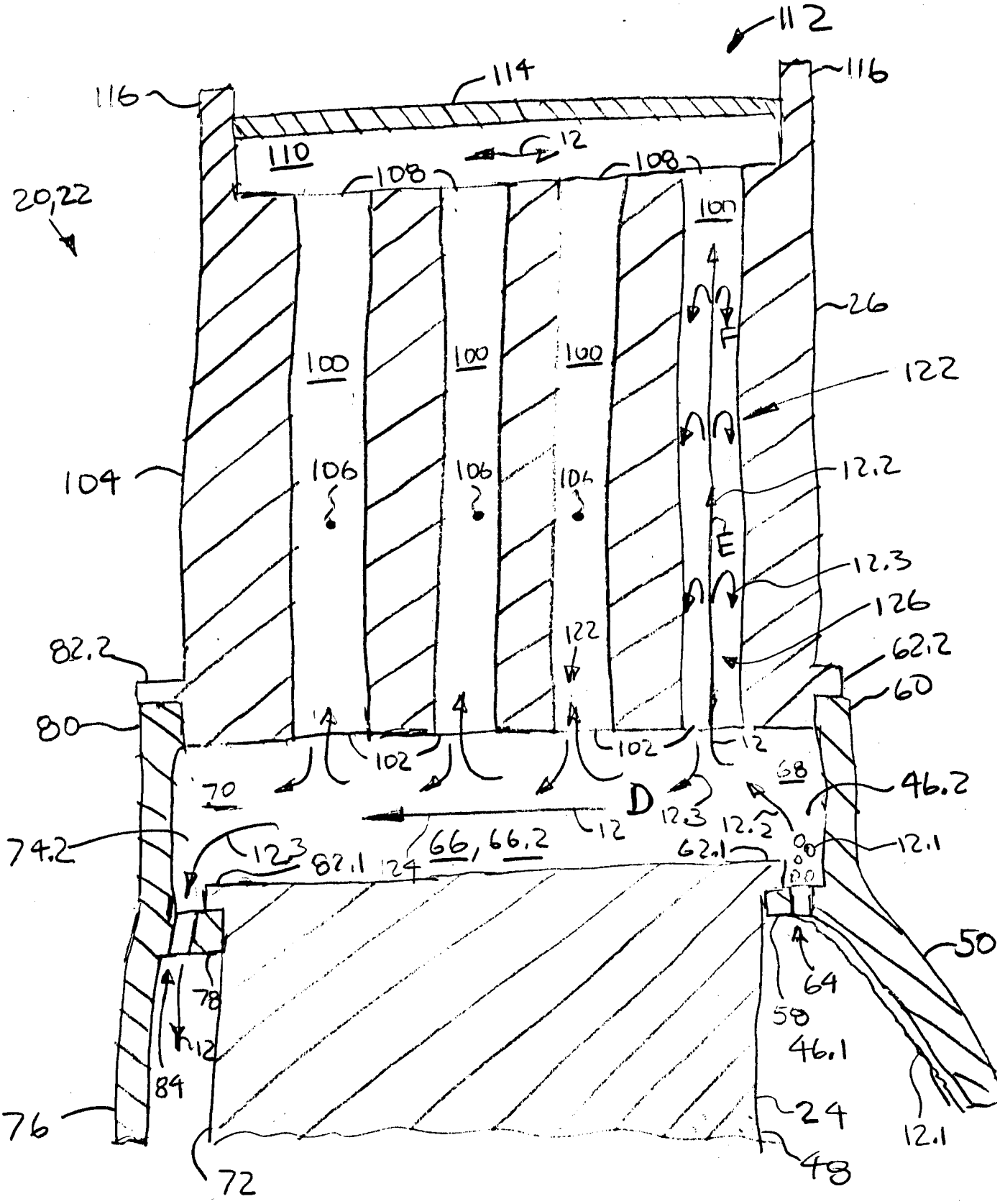

112
116
114
116
110
12
108
108
20,22
100
26
100
100
100
122
104
106
106
104
12.2
E
12.3
126
122
62.2
82.2
60
80
102
102
12
70
68
46.2
D
123
12.2
12
74.2
123
82.1
124
66, 66.2
62.1
12.1
50
64
78
58
12
46.1
84
24
76
12.1
72
48

FIG. 5

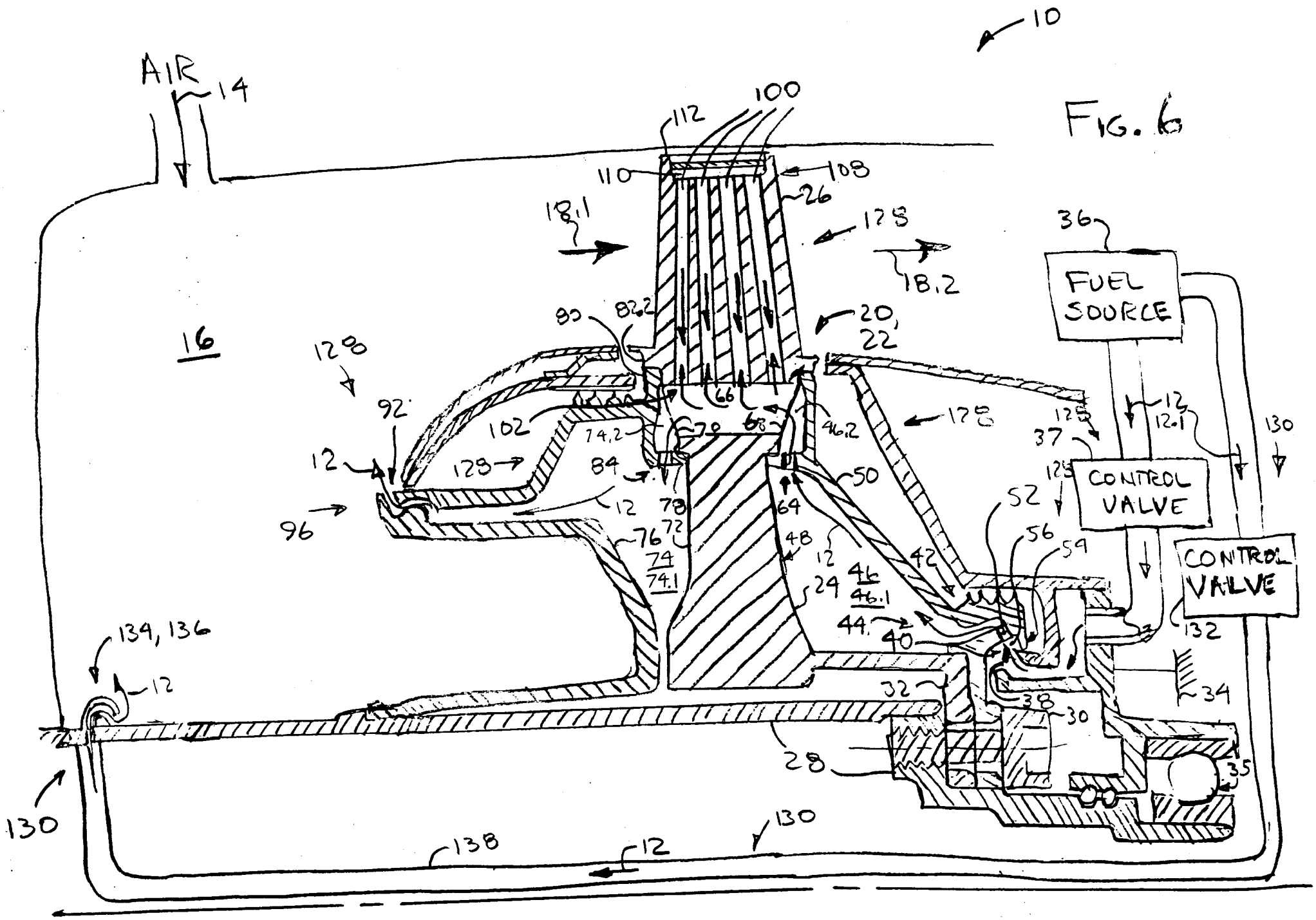

10
AIR
14
112
100
110
108
26
18.1
18.2
36
FUEL SOURCE
16
20, 22
92
102
74.2
66
68
46.2
37
CONTROL VALVE
50
52
56
59
42
64
48
74
74.1
46
46.1
24
44
40
132
CONTROL VALVE
34
32
38
30
28
35
134, 136
130
138
12
12.1

Fig. 6